

Title (en)
Resin Gear

Title (de)
Zahnrad aus Harz

Title (fr)
Élément denté en résine

Publication
EP 1548329 B1 20070214 (EN)

Application
EP 04030001 A 20041217

Priority
JP 2003422581 A 20031219

Abstract (en)
[origin: EP1548329A2] A resin gear (1) is formed by connecting a rim (3) having teeth (2) on the outer periphery thereof to a hub (5) by means of a substantially annular web (6) having a thin portion (6c) which is thinner than the rim and which is curved in facewidth directions, the thin portion being elastically deformable so as to allow a relative displacement in radial directions between the rim and the hub while preventing a relative displacement in rotational directions between the rim and the hub. <IMAGE>

IPC 8 full level
F16H 55/06 (2006.01); **F16H 55/14** (2006.01); **F16H 55/18** (2006.01)

CPC (source: EP US)
F16H 55/14 (2013.01 - EP US); **F16H 55/06** (2013.01 - EP US); **F16H 55/18** (2013.01 - EP US); **Y10T 74/19851** (2015.01 - EP US)

Cited by
EP2889512A3; US9855690B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1548329 A2 20050629; EP 1548329 A3 20050831; EP 1548329 B1 20070214; DE 602004004741 D1 20070329;
DE 602004004741 T2 20071206; JP 2005180595 A 20050707; JP 4375720 B2 20091202; US 2005132834 A1 20050623

DOCDB simple family (application)
EP 04030001 A 20041217; DE 602004004741 T 20041217; JP 2003422581 A 20031219; US 1645204 A 20041217